

# Safety Data Sheet



Zep, Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
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## Section 1. Chemical Product and Company Identification

**Product name** XT-2002  
**Product use** Cleaner.  
**Product code** 5090  
**Date of issue** 06/17/11 **Supersedes** 11/03/05

## Emergency Telephone Numbers

### For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

### For Medical Emergency

(877) 541-2016 Toll Free - All Calls Recorded

### For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

### Prepared By

Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

**DANGER !**

**CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED.**

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

3 0 0

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact. Inhalation.

#### Eyes

Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness.

#### Skin

Causes skin burns. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

#### Inhalation

Avoid breathing vapors, spray or mists. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

#### Ingestion

Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Chronic effects

Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

### Carcinogenicity

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

### Product/ingredient name

ACGIH

IARC

EPA

NIOSH

NTP

OSHA

None.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

NITRIC ACID; azotic acid

7697-37-2

30 - 40

SODIUM XYLENE SULFONATE

1300-72-7

5 - 15

PHOSPHORIC ACID

7664-38-2

1 - 10

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

### Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

### Inhalation

Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A.)



Flash Point	None.
Flammable Limits	Not applicable
Flammability	Non-flammable.
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst. May emit toxic fumes under fire conditions.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Do not release runoff from fire to drains or watercourses.

**Section 6. Accidental Release Measures**

Spill Clean up	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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**Section 7. Handling and Storage**

Handling	Put on appropriate personal protective equipment (see section 8). Do not get in eyes, on skin or on clothing. Do not breathe vapor or mist. Do not ingest. Do not reuse container. Wash thoroughly after handling. Observe label precautions.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

NITRIC ACID; azotic acid

PHOSPHORIC ACID

**Exposure limits**

ACGIH TLV/OSHA PEL (United States).

TWA: 2 ppm 8 hour(s).

STEL: 4 ppm 15 minute(s).

ACGIH TLV (United States, 2/2010).

TWA: 1 mg/m<sup>3</sup> 8 hour(s).STEL: 3 mg/m<sup>3</sup> 15 minute(s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 1 mg/m<sup>3</sup> 8 hour(s).STEL: 3 mg/m<sup>3</sup> 15 minute(s).

NIOSH REL (United States, 6/2009).

TWA: 1 mg/m<sup>3</sup> 10 hour(s).STEL: 3 mg/m<sup>3</sup> 15 minute(s).

OSHA PEL (United States, 11/2006).

TWA: 1 mg/m<sup>3</sup> 8 hour(s).**Personal Protective Equipment (PPE)**

Eyes	Splash goggles. Face shield.
Body	Wear appropriate protective clothing to prevent skin contact. Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves. Synthetic apron. Chemical resistant boots.
Respiratory	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid.	Color	Clear. Colorless.
pH	<1 (1% solution 1.5-2.0)	Odor	Mild.
Boiling Point	104.44°C (220°F)	Vapor Pressure	Not determined.
Specific Gravity	1.24	Vapor Density	Not determined.
Solubility	Soluble in the following materials: cold water and hot water.	Evaporation Rate	1 (Water = 1)
		VOC (Consumer)	0 g/l

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive or incompatible with the following materials: oxidizing materials and alkalis.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub> etc.)

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Nitric Acid	LDLo Oral	Human/30 min	430 mg/kg	-
Phosphoric acid	LD50 Oral	Rat	1.25 g/kg	-

**Section 12. Ecological Information**

**Environmental Effects** Not available.

**Aquatic Ecotoxicity**


Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: D002  
Classification: - [Hazardous waste]  
Origin: - [RCRA waste.]

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	3264	Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Nitric Acid)	8	II	
IMDG Class	Not determined.				

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

**Product name**

Nitric Acid

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** Phosphoric acid; Nitric Acid

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**United States inventory (TSCA 8b):** Not determined.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.